



**U.S. Immigration
and Customs
Enforcement**

Atlas Automation Modernization Program



ATLAS TACTICAL COMMUNICATIONS

RECOVERY

Tactical Communications Generator Power System Statement of Work

ATTACHMENT B

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1.0 OVERVIEW

1.1 Background

The ICE Office of Chief Information Officer (OCIO) Atlas Modernization Program is the principal program for improving information sharing across Immigration and Customs Enforcement (ICE). The Atlas Program is an effort to replace legacy tactical communications equipment. Atlas uses information technology (IT) to reengineer core business functions and align ICE Enterprise Architecture (EA) based on guidance provided by the Department of Homeland Security (DHS) Enterprise Architecture Center of Excellence. The mission of the Atlas Program is to create, sustain, secure, and manage an IT environment to support the ICE law enforcement mission.

ICE is the largest investigative arm within DHS and is responsible for identifying and eliminating vulnerabilities in the Nation's border, economic, transportation, and infrastructure security. The ICE mission is to secure the United States by enforcing immigration and customs laws, protecting federal buildings and other key assets, and providing law enforcement support in times of national emergency.

The sharing of knowledge and information is central to the effective discharge of ICE mission and operational responsibilities. As such, a reliable, available, and secure tactical wireless communications program is a mission-critical requirement for agent and officer safety and mission and operational effectiveness. Reliable and protected wireless technology provides ICE agents and officers with continuous access to timely information, including intelligence, logistics, investigative reporting, investigative assignment, and administrative support functions.

The Tactical Communications project will replace legacy tactical communications site infrastructure, subscriber units, and communications hub equipment with modern technology. ICE will invest in interoperable P25 tactical communications systems, deployable wireless communications assets, and communications hub systems to support secure, digital, spectrum efficient land mobile radio (LMR) communications. These technology enhancements will enable ICE to meet nationwide mission-critical communications requirements.

1.2 Scope

This Statement of Work (SOW) describes ICE design requirements for a natural gas generator backup power system and installation to support the ICE tactical communications hub facility.

1.3 Objectives

This SOW establishes the general scope of equipment and installation services ICE will require from the Contractor to upgrade the ICE tactical communications hub facility. The objective of this effort is to attain a generator and installation services to backup the communications hub equipment.



2.0 EQUIPMENT REQUIREMENTS

2.1 General

ICE manages the operation and maintenance of its wireless communications systems from a location known as the ICE Headquarters (HQ) Hub. The ICE HQ Hub supports the following activities:

- Collection and validation of wireless communications requirements
- Procurement of communications site infrastructure, mobile vehicle radios, portable hand-held radios, deployable communications assets, and network connectivity equipment
- Design, staging, installation, testing and optimization of wireless tactical communications systems
- Support of routine and emergency tactical communications maintenance
- Procurement, configuration, and management of telecommunications circuits to connect ICE tactical communications systems

The Contractor shall provide a natural gas backup generator power system that will upgrade ICE HQ Hub capabilities. The Contractor shall install the generator power system to enhance the ICE HQ communication hub's ability to serve as a central distribution point for ICE tactical communications networks. The Contractor shall be responsible for providing subject matter expertise for the review and validation of the generator power requirements with ICE Facilities Management and ICE Engineering, ensuring ICE attains the required communications network operation and management enhancements. The Contractor shall work with ICE to design a Generator Power System that meets the approval of the ICE HQ Hub property management company and meets or exceeds the mandatory regulations.

2.2 Generator Power System

The Contractor shall provide and install a natural gas backup Generator Power System at the ICE HQ Hub. The backup power system shall be capable of reliably supporting existing Tactical Communications Operations Center, Technical Engineering Facility, and other communications hub operations during power interruptions. ICE estimates that the HQ Hub requires a Generator Power System capable of supporting 250 kilowatts (kW); however, the Contractor shall validate hub power requirements and identify the appropriate generator set size including minimum generator set load; maximum allowable step voltage dip and step frequency dip; altitude and temperature; duty cycle, phase, frequency and voltage. The Contractor shall be responsible for attaining all permits and authorizations to implement the Generator Power System (e.g., State of Maryland, Prince Georges County, and City of Largo). The Contractor shall contract the local gas and power companies to ensure the correct approach is used to interface the generator to the existing gas and power systems at the ICE HQ Hub. The Contractor shall comply with all electrical codes and safety standards (e.g., National Electric Code [NEC], National Fire Protection Association [NFPA]) when designing and installing the Generator Power System at the ICE HQ Hub Location. The Generator Power System shall support future power expansion at the least possible cost to the Government. The Contractor shall install and optimize the



backup Generator backup Power System to ensure there is no interruption or down time to all mission-critical systems operating at the ICE HQ Hub, ensuring continuity of operations. At a minimum, the Contractor shall provide a Generator Power System with the following capabilities:

- Power generation of at least 250 kW
- Natural gas fuel system
- Weather and sound proof enclosure equipped with locking doors
- Heavy-duty construction
- Prototype tested and production tested
- Automatic shut down safety features
- Compliant with Environmental Protection Agency emissions regulations
- Digital three phase voltage and current monitoring
- Control panel displaying operational status
- NEC Compliance: Comply with applicable local code requirements of the authority having jurisdiction and NEC Code Articles 517, 700, 701, and 702 pertaining to construction and installation of emergency and standby systems.
- NFPA Compliance: Comply with applicable requirements of NFPA 101, "Code for Safety to Life from Fire in Buildings and Structures."
- Underwriters Laboratories Compliance (UL): Comply with applicable requirements of UL 1008, "Automatic Transfer Switches," and UL 486A, "Wire Connectors and Soldering Lugs for Use with Copper Conductors."
- American National Standards Institute (ANSI) / National Electrical Manufacturers Association (NEMA) Compliance: Comply with applicable requirements of ANSI/NEMA MG 1, "Motors and Generators," and MG 2, "Safety and Use of Electric Motors and Generators."

2.3 Operation and Service Manuals

The Contractor shall provide Operation and Service Manuals, both hard copy and digital media, to describe the operation and maintenance features of the natural gas Generator Power System. The Operation and Service Manuals shall include schematics, programming instructions and options, test points, power usage and dissipation levels, or other information necessary or useful for the extended care and troubleshooting of the equipment. The Contractor shall provide updates to the manual in an electronic format for the life of the contract. The Contractor shall provide all operation and service manuals in Microsoft Word format.



3.0 SUPPORT SERVICES REQUIREMENTS

3.1 General

The Contractor shall provide services to install the backup natural gas Generator Power System described in Section 2 of this SOW. The Contractor shall provide all equipment, installation, and other integration services required to implement the generator system. The Contractor shall be responsible for collecting HQ Hub power requirements and performing any necessary system design, integration, and testing.

3.2 Project Manager

The Contractor shall provide a dedicated Project Manager with responsibility for ensuring all Contractor work is performed. The Project Manager shall be a single point of contact for the Contracting Officer's Technical Representative (COTR). The Project Manager shall be available to the COTR via telephone between the hours of 0800 and 1700 EST, Monday through Friday, and shall respond to a request for discussion or resolution of technical problems within four (4) hours of notification. The Contractor project team will be responsible for the efficient design and implementation of the backup Generator Power System including progress monitoring, planning, quality assurance, and reporting.

3.3 Project Management Plan

The Contractor shall develop, update, implement, manage, and maintain a Project Management Plan. The Contractor shall use the Project Management Plan to describe the actions necessary to define, integrate, and coordinate the implementation of the backup Generator Power System. ICE and the Contractor shall use the Project Management Plan throughout the duration of the contract as a management tool to assess progress and determine success in achieving project requirements. At a minimum, the Project Management Plan shall include:

- Schedule baseline
- Staffing management plan (Key personnel with roles and responsibilities)
- Quality management plan

3.4 Status Meetings/Reports

The Contractor shall attend a Kick-Off Meeting within ten (10) business days of contract award. The purpose of the Kick-Off Meeting is to discuss contracting objectives, discuss technical requirements and to review the Contractor's Project Management plan. The Kick-Off Meeting will occur at an ICE facility.

In addition to attending the Kick-Off Meeting, the Contractor shall provide the following information in Monthly Status Reports:

- Progress toward completion
- Total amount invoiced to the Government



The Contractor shall list any tasks that are behind schedule in Monthly Status Reports with an explanation of cause and remediation actions planned to alleviate the schedule delay.

3.5 Equipment Installation

Prior to installing the Generator Power System, the Contractor shall present a Generator Design Document with detailed specifications of the proposed system, including the type, size, and location of the equipment to ICE Facilities Management, ICE Engineering, and the ICE HQ Hub property management company for approval. The Contractor shall also provide written documentation describing the operation of the Generator Power System and drawings defining the installation approach for the equipment. Following written approval from the COTR, the Contractor shall proceed with installing the Generator Power System.

The Contractor shall deliver the equipment to the ICE HQ Hub location, install the system, and power it in preparation for testing and optimization. The ICE Project Manager or a designated member of the Government shall review the Generator Power System installation and provide approval or identify issues for resolution. The Contractor shall resolve any discrepancies in the installation within 30 days of notification.

4.0 DELIVERABLES

Table 1 summarizes the major deliverables described in this SOW. The Government will require the Contractor to provide other deliverable documents, such as ad hoc reports, planning and concept documents, briefing materials, and other plans and reports to support reporting required by the American Recovery and Reinvestment Act of 2009. The ICE COTR will provide direction regarding these deliverables as required. The Contractor shall submit all documents to the Government electronically and in Microsoft Office compatible format.

Table 1: List of Deliverables

SOW Section	Deliverable	Milestone
2.2	Generator Power System / Installation	Within 180 Days after issuance of Deliver Order
2.3	Operation and Service Manuals	Upon acceptance of the Generator Power System
2.5	Generator Design Document	Prior to installation
3.3	Project Management Plan	5 days after contract award
3.4	Monthly Project Review	Monthly following project Kick-Off meeting

The COTR shall review all deliverables for accuracy and completeness. The Contractor shall make all corrections required by the COTR. All deliverables require acceptance by the COTR. The Contractor shall forward all deliverable work products to the COTR identified in the award document.



4.1 Acceptance Criteria

The Government shall accept or reject deliverables within fifteen (15) calendar days after delivery. If rejected, the Contractor shall make corrections as specified and the Government will conduct another review for approval within five business days. The Contractor shall submit all deliverables according to Table 1 in Section 4.0.

5.0 GOVERNMENT FURNISHED INFORMATION

ICE shall provide the Contractor with any requirements information necessary to design and implement the backup Generator Power System.

6.0 PLACE OF PERFORMANCE

The Contractor shall perform all work at the ICE HQ Hub Location, located in Largo, Maryland 20774.

7.0 PERIOD OF PERFORMANCE

Delivery of equipment and installation shall be within 180 days after the issuance of the delivery order.

8.0 SECURITY REQUIREMENTS

8.1 General

The Department of Homeland Security (DHS) has determined that performance of some tasks as described in Delivery Order TBD requires that the Contractor, subcontractors(s), Contractor(s), etc., (herein known as Contractor) have access to **sensitive** DHS information, and that the Contractor will adhere to the following. Contractors that are not required to operate with the ICE IP backbone work with key variable loading, or work at an on-site DHS location shall not require suitability clearance.

8.2 Suitability Determination

DHS shall have and exercise full control over granting, denying, withholding or terminating unescorted government facility and/or sensitive Government information access for Contractor employees, based upon the results of a background investigation. DHS may, as it deems appropriate, authorize and make a favorable entry on duty (EOD) decision based on preliminary security checks. The favorable EOD decision would allow the employees to commence work temporarily prior to the completion of the full investigation. The granting of a favorable EOD decision shall not be considered as assurance that a full employment suitability authorization will follow as a result thereof. The granting of a favorable EOD decision or a full employment suitability determination shall in no way prevent, preclude, or bar the withdrawal or termination of any such access by DHS, at any time during the term of the contract. No employee of the Contractor shall be allowed to EOD and/or access sensitive information or systems without a favorable EOD decision or suitability determination by the Office of Professional Responsibility,



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Personnel Security Unit (OPR-PSU). No employee of the Contractor shall be allowed unescorted access to a Government facility without a favorable EOD decision or suitability determination by the OPR-PSU. Contract employees assigned to the contract not needing access to sensitive DHS information or recurring access to DHS ' facilities will not be subject to security suitability screening.



APPENDIX A: ACRONYMS

Acronym	Full Name
ANSI	American National Standards Institute
DHS	Department of Homeland Security
EA	Enterprise Architecture
FAR	Federal Acquisition Regulation
FCC	Federal Communications Commission
FM	Frequency Modulation
HQ	Headquarters
ICE	U.S. Immigration and Customs Enforcement
IP	Internet Protocol
IT	Information Technology
LMR	Land Mobile Radio
NEC	National Electrical Code
NEMA	National Electrical Manufacturers Association
NFPA	National Fire Protection Association
OCIO	Office of the Chief Information Officer
OMB	Office of Management and Budget
OTAR	Over-The-Air-Rekeying
P25	Project 25
POP 25	Programming Over Project P5
RNC	Radio Network Controller
SOW	Statement of Work
TC	Tactical Communications
UL	Underwriters Laboratories Compliance
ICE HQ Hub	Technical Maintenance Facility

Any acronyms listed may be encountered in the tactical communications arena